v1.0 (1.0.1.0) (EN/E/F)

Acoustic Research

user **manual**
guide de l'utilisateur
manual de usuario

SP20 series

Product registration
Thank you for purchasing an Acoustic Research product. We pride ourselves on the quality and reliability of all our electronic products, but if you ever need service or have a question our customer service staff stands ready to help. Contact us at www.soundflow.com. **PURCHASE REGISTRATION:** Registering Online will allow us to contact you in the unlikely event a safety notification is required under the Federal Consumer Safety Act. **Register Online at: WWW.SOUNDFLOW.COM. Click on Product Registration and Fill Out the Brief Questionnaire.**

Enregisregistro del productotrement du produit
Gracias por comprar un producto Acoustic Research. Nos enorgullece la calidad y fiabilidad de todos nuestros productos electrónicos, pero si alguna vez necesita servicios técnicos o si tiene alguna pregunta nuestro personal de atención al cliente está a su disposición para ayudarle. Comuníquese con nosotros en www.soundflow.com. **REGISTRO DE COMPRA:** El registro en línea nos permitirá comunicarnos con usted en el caso de tener que enviarle algún aviso de seguridad en virtud de la Ley Federal de Seguridad del Consumidor. **Registre el producto en línea en: WWW.SOUNDFLOW.COM. Haga clic en Registro del producto y responda al cuestionario.**

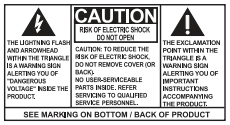
Enregistrement du produit
Merci d'avoir acheté un produit Acoustic Research. Nous sommes fiers de la qualité et de la fiabilité de tous nos produits électroniques, mais en cas de nécessité de réparation ou pour toute question le personnel de notre service clientèle est prêt à vous aider. Contactez-nous sur www.soundflow.com. **ENREGISTREMENT D'ACHAT:** Enregistrer votre produit en ligne nous permettra de communiquer avec vous pour tout avis de sécurité au sujet du produit en vertu du Federal Consumer Safety Act (Loi fédérale de protection du consommateur). **Enregistrez votre produit en ligne sur: WWW.SOUNDFLOW.COM. Cliquez sur Enregistrement produit et remplissez le court questionnaire.**

EN/E/F
It is important to read this user manual prior to using your new product for the first time.
Es importante leer este manual antes de usar por vez primera su equipo.
Nous vous recommandons de lire ce manuel d'instructions avant d'utiliser votre nouveau produit pour la première fois.

English

IMPORTANT SAFETY INSTRUCTIONS

PLEASE READ AND SAVE THIS FOR FUTURE REFERENCE


CAUTION
RISK OF ELECTRIC SHOCK DO NOT OPEN
THE LIGHTNING FLASH AND ARROWHEAD WITHIN THE TRIANGLE IS A WARNING SIGN ALERTING YOU OF "DANGEROUS VOLTAGE" INSIDE THE PRODUCT.
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.
THE EXCLAMATION POINT WITHIN THE TRIANGLE IS A WARNING SIGN ALERTING YOU OF IMPORTANT INSTRUCTIONS ACCOMPANYING THE PRODUCT.
SEE MARKING ON BOTTOM / BACK OF PRODUCT

WARNING: TO PREVENT FIRE OR ELECTRICAL SHOCK HAZARD, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

Some of the following information may not apply to your particular product; however, as with any electronic product, precautions should be observed during handling and use.

- Read these instructions.
- Keep these instructions.
- Heed all warnings.
- Follow all instructions.
- Do not use this apparatus near water.
- Clean only with dry cloth.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

ADDITIONAL SAFETY INFORMATION

- Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.
- Do not attempt to disassemble the cabinet. This product does not contain customer serviceable components.
- The marking information is located at the bottom of apparatus.

Important battery precautions

- Any battery may present a risk of fire, explosion, or chemical burn if abused. Do not try to charge a battery that is not intended to be recharged, do not incinerate, and do not puncture.
- Non-rechargeable batteries, such as alkaline batteries, may leak if left in your product for a long period of time. Remove the batteries from the product if you are not going to use it for a month or more.
- If your product uses more than one battery, do not mix types and make sure they are inserted correctly. Mixing types or inserting incorrectly may cause them to leak.
- Discard any leaky or deformed battery immediately. They may cause skin burns or other personal injury.
- Please help to protect the environment by recycling or disposing of batteries according to federal, state, and local regulations.

WARNING: The battery (battery or batteries or battery pack) shall not be exposed to excessive heat such as sunshine, fire or the like.

Ecology

Help protect the environment - we recommend that you dispose of used batteries by putting them into specially designed receptacles.

Precautions for the unit

- Do not use the unit immediately after transportation from a cold place to a warm place; condensation problems may result.
- Do not store the unit near fire, places with high temperature or in direct sunlight. Exposure to direct sunlight or extreme heat (such as inside a parked car) may cause damage or malfunction.
- Clean the unit with a soft cloth or a damp chamois leather. Never use solvents.
- The unit must only be opened by qualified personnel.

IMPORTANT SAFETY INSTRUCTIONS

PLEASE READ AND SAVE THIS FOR FUTURE REFERENCE

FCC Information

Note:
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by VOXX Accessories Corporation could void the user's authority to operate the equipment.

Industry Canada Regulatory Information
CAN ICES-3 (B)/NMB-3 (B)
Avis d'Industrie Canada
CAN ICES-3 (B)/NMB-3 (B)

Before you begin

Installing the battery

1. Remove battery compartment door (located at the bottom of the SP20) by applying thumb pressure to the tab on battery door and then lift the door out and off the cabinet.
2. Insert 3 AA batteries (not included) to the battery compartment.
3. Replace the compartment door.
4. When the battery level is low, the ⏻ will blink. Please replace the batteries or plug in DC 5V power.

Before you begin

Powering by USB

The SP20 can also be powered by USB.
1. Connect the supplied USB cable to the **DC 5V** jack.
2. Connect the other end of the cable to a USB charging port.

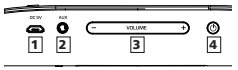
Turning On/Off

Power On : Press the ⏻ button. The ⏻ button will stay lit.

Power Off : Press the ⏻ button again. The ⏻ button will no longer be lit.

General controls

Side view



(1) DC 5V
DC power input jack

(2) AUX
3.5 mm auxiliary input jack

(3) – VOLUME +
Adjust volume

(4) On/Off button
Power on/off the SP20

Soundflow

Playback with Soundflow

1. Place your smartphone with audio playing on the top of the SP20.

- Start with your phone volume around 50%. You can experiment with different phone volume levels until you find the right setting for your phone.
- Line up your phone's speaker with the highlighted lower bar of the soundboard. You may need to move your phone around to find the optimal placement.

2. The SP20 amplifies your audio automatically.
3. Press **– VOLUME +** to adjust volume.
4. For controling audio playback, please use the controls on your smartphone directly.

Soundflow works with any smartphone or music player with an external speaker. No wires or cables are required.

Auxiliary source

1. Plug one end of the supplied audio cable into the **AUX** jack and the other end into the output of your music player.
2. Press "Play" on your music player to stream music directly via the SP20.
3. For controlling audio playback please use the controls on your music player directly. For adjusting volume you can use both the controls on your music player and the volume buttons on the SP20.
4. Disconnect the audio cable from the **AUX** jack to activate Soundflow playback again.

Warranty information

12 Month Limited Warranty Applies to AR Audio Systems

VOXX Accessories Corporation (the Company) warrants to the original retail purchaser of this product that should this product or any part thereof, under normal use and conditions, be proven defective in material or workmanship within 12 months from the date of original purchase, such defect(s) will be repaired or replaced with reconditioned product (at the Company's option) without charge for parts and repair labor.

To obtain repair or replacement within the terms of this Warranty, the product is to be delivered with proof of warranty coverage (e.g. dated bill of sale), specification of defect(s), transportation prepaid, to the Company at the address shown below.

This Warranty does not extend to the elimination of externally generated static or noise, to correction of antenna problems, loss/interruptions of broadcast or internet service, to costs incurred for installation, removal or reinstallation of product, to corruptions caused by computer viruses, spyware or other malware, to loss of media, files, data or content, or to damage to tapes, discs, removable memory devices or cards, speakers, accessories, computers, computer peripherals, other media players, home networks or vehicle electrical systems.

This Warranty does not apply to any product or part thereof which, in the opinion of the Company, has suffered or been damaged through alteration, improper installation, mishandling, misuse, neglect, accident, or by removal or defacement of the factory serial number/bar code label(s). THE EXTENT OF THE COMPANY'S LIABILITY UNDER THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT PROVIDED ABOVE AND, IN NO EVENT, SHALL THE COMPANY'S LIABILITY EXCEED THE PURCHASE PRICE PAID BY PURCHASER FOR THE PRODUCT.

This Warranty is in lieu of all other express warranties or liabilities. ANY IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY, SHALL BE LIMITED TO THE DURATION OF THIS WRITTEN WARRANTY. ANY ACTION FOR BREACH OF ANY WARRANTY HEREUNDER INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY MUST BE BROUGHT WITHIN A PERIOD OF 24 MONTHS FROM DATE OF ORIGINAL PURCHASE. IN NO CASE SHALL THE COMPANY BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY. No person or representative is authorized to assume for the Company any liability other than expressed herein in connection with the sale of this product.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damage so the above limitations or exclusions may not apply to you. This Warranty gives you specific legal rights and you may also have other rights which vary from state to state.

Recommendations before returning your product for a warranty claim:

- Properly pack your unit. Include any remotes, memory cards, cables, etc. which were originally provided with the product.

Warranty information

However DO NOT return any removable batteries, even if batteries were included with the original purchase. We recommend using the original carton and packing materials. Ship to the address shown below.

- Note that product will be returned with factory default settings. Consumer will be responsible to restore any personal preference settings.

Audiovox Return Centre
Attn: Service Department.
150 Marcus Blvd.
Hauppauge N.Y. 11788

1-800-645-4994

For Canada Customers, please ship to:
Audiovox Return Centre
c/o Genco
6685 Kennedy Road,
Unit#3, Door 16,
Mississuaga, Ontario
L5T 3A5

Español

IMPORTANTE INSTRUCCIONES DE SEGURIDAD

FAVOR DE GUARDAR ESTO PARA UNA REFERENCIA FUTURA

PRECAUCIÓN
RIESGO DE CHOQUE ELÉCTRICO NO ABRIR
EL SÍMBOLO DEL RELÁMPAGO TERMINADO EN FLECHA DENTRO DE UN TRIÁNGULO EQUILÁTERO ADVIERTE AL USUARIO DE LA PRESENCIA DE "VOLTAJE PELIGROSO" DENTRO DEL PRODUCTO
PRECAUCIÓN: PARA EVITAR EL RIESGO DE CHOQUE ELECTRICO, NO REMUEVA LA CUBIERTA (O LA PARTE POSTERIOR). DENTRO NO HAY PARTES QUE REQUIERAN SERVICIO POR PARTE DEL USUARIO. REFIERA EL SERVICIO A PERSONAL TECNICO CALIFICADO.
EL SÍMBOLO DE ADMIRACIÓN DENTRO DEL TRIÁNGULO ES UN SIGNO DE ADVERTENCIA ALERTÁNDOLE DE INSTUCCIONES IMPORTANTES QUE ACOMPAÑAN AL PRODUCTO.
VEA LAS MARCAS EN LA PARTE INFERIOR / POSTERIOR DEL PRODUCTO

ADVERTENCIA: PARA EVITAR PELIGRO DE CHOQUE ELECTRICO O INCENDIO, NO EXPONGA ESTE PRODUCTO A LA LLUVIA O LA HUMEDAD.

Alguna de la siguiente información quizá no se aplique a su producto en particular. Sin embargo, como con cualquier producto electrónico, se deben tomar precauciones durante su manejo y uso.

- Lea estas instrucciones.
- Conserve estas instrucciones.
- Tome en cuenta todas las advertencias.
- Siga todas las instrucciones.
- No use este aparato cerca del agua.
- Limpie solamente con un paño seco.
- No instale cerca de fuentes de calor tales como radiadores, registros de calor, estufas, u otros aparatos (incluyendo amplificadores) que produzcan calor.
- Refiera todo el servicio a personal de servicio calificado. El servicio es requerido cuando el aparato ha sido dañado de alguna forma, tal como daño a la clavija o al cable de corriente, cuando se ha derramado líquido o han caído objetos dentro del aparato, el aparato ha sido expuesto a lluvia o humedad, no funciona normalmente, o ha sido tirado.

INFORMACION ADICIONAL DE SEGURIDAD

- El aparato no debe quedar expuesto a goteos o salpicaduras de líquidos, y, por lo tanto, no se deben colocar sobre el aparato objetos que contengan líquidos, como por ejemplo vasos.
- No intente desensamblar el gabinete. Este producto no contiene componentes que requieran servicio por parte del cliente.
- La información de señalamiento está ubicada en la parte inferior del aparato.

Precauciones importantes para la batería

- Cualquier batería puede presentar un riesgo de fuego, explosión o quemadura química si es mal tratada. No trate de cargar una batería que no esté diseñada para ser recargada, no incinere y no perfore.
- Baterías no recargables, tales como las baterías alcalinas, pueden tener fugas si son dejadas en su producto por un largo periodo de tiempo. Retire las baterías del producto si usted no lo va a usar por un mes o más.
- Si su producto usa más de una batería, no mezcle tipos y asegúrese de que estén insertadas correctamente. Mezclar tipos de baterías o insertarlas incorrectamente puede causar que tengan fugas.
- Deseche inmediatamente cualquier batería con fugas o deformada. Ellas pueden causar quemaduras de la piel u otra lesión personal.
- Por favor ayude a proteger el ambiente reciclando o eliminando las baterías de conformidad con las regulaciones federales, estatales y locales.

ADVERTENCIA: La batería (batería o baterías o paquete de baterías) no deberá ser expuesta a calor excesivo tal como el sol, fuego o similares.

Medio ambiente

Ayude a cuidar el medio ambiente. Le recomendamos que deseche las baterías gastadas en los contenedores especialmente diseñados para ello.

Precauciones para la unidad

- No utilice la unidad inmediatamente después de llevarla de un lugar frío a un lugar caliente puesto que podría producirse algún problema de condensación.
- No almacene la unidad cerca del fuego, lugares con alta temperatura o a la luz directa del sol. La exposición a la luz directa del sol o a calor extremo (tal como dentro de un automóvil